

CLIPPEDIMAGE= JP402132894A

*Abst only*

PAT-NO: JP402132894A

DOCUMENT-IDENTIFIER: JP 02132894 A

TITLE: COMPONENT FEEDING DEVICE

PUBN-DATE: May 22, 1990

INVENTOR-INFORMATION:

NAME

MITSUFUJI, FUMIO

INT-CL (IPC): H05K013/02; B23P019/00

US-CL-CURRENT: 29/771

ABSTRACT:

PURPOSE: To improve a component feeder of this design in safety by a method wherein a component feeding table is positioned to a supply station by a driven device interlocked with a separating operation and a locking operation.

CONSTITUTION: A separator 49, a locking device 60, and a drive device 69 are provided to a standby position. The device 49 is provided with an control lever 53 supported with a support shaft 58 fitted to a frame bracket 57 and a roller 55 is provided to one end of the control lever 53. The device 60 is provided with a lock lever 61 supported with the shaft 58 in common with the control lever 53 and a bearing 62 is embedded. A roller 64 is provided at one end of the lever 61, and the other end is pulled downward by a tension spring 67, and the spring 67 is connected between a pin 65 of the lever 61 and a pin 66 of a bracket 75 which extends downward from a frame 12

and gives a moment to the lever 61 in a clockwise direction. When the roller 64 is engaged with a recess 76 of a locking block 68 attached to the rear of a side plate 20, a component feeding table 18 stops moving. The main body of the device 69 is connected to an air cylinder 50, a rod 51 is connected to the lever 53 through a knuckle pin 54 to make the roller 50 positioned at low level, and a roller 70 is made to push up a roller pad 71 and make the roller 64 move downward. By this setup, a feed table is locked, whereby a feeding device is improved in safety.

COPYRIGHT: (C)1990, JPO&Japio

----- KWIC -----

Current US Cross Reference Classification - CCXR:

29/771

Abstract - FPAR:

PURPOSE: To improve a component feeder of this design in safety by a method wherein a component feeding table is positioned to a supply station by a driven device interlocked with a separating operation and a locking operation.

Abstract - FPAR:

CONSTITUTION: A separator 49, a locking device 60, and a drive device 69 are provided to a standby position. The device 49 is provided with an control lever 53 supported with a support shaft 58 fitted to a frame bracket 57 and a roller 55 is provided to one end of the control lever 53. The device 60 is

provided with a lock lever 61 supported with the shaft 58 in common with the control lever 53 and a bearing 62 is embedded. A roller 64 is provided at one end of the lever 61, and the other end is pulled downward by a tension spring 67, and the spring 67 is connected between a pin 65 of the lever 61 and a pin 66 of a bracket 75 which extends downward from a frame 12 and gives a moment to the lever 61 in a clockwise direction. When the roller 64 is engaged with a recess 76 of a locking block 68 attached to the rear of a side plate 20, a component feeding table 18 stops moving. The main body of the device 69 is connected to an air cylinder 50, a rod 51 is connected to the lever 53 through a knuckle pin 54 to make the roller 50 positioned at low level, and a roller 70 is made to push up a roller pad 71 and make the roller 64 move downward. By this setup, a feed table is locked, whereby a feeding device is improved in safety.